

e) a polypeptide comprising the amino acid sequence encoded by the cDNA of the clone contained in ATCC Accession No. 97881;

f) a polypeptide comprising the amino acid sequence encoded by the cDNA of the clone contained in NRRL Deposit No. B-21416;

g) a polypeptide comprising at least 15 contiguous amino acids of SEQ ID NO:3;

h) a polypeptide comprising at least 15 contiguous amino acids of SEQ ID NO:7;

i) a polypeptide comprising at least 15 contiguous amino acids of SEQ ID NO:9;

j) a polypeptide comprising naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:3;

k) a polypeptide comprising naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:7; and

l) a polypeptide comprising naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:9.--

--30. The isolated polypeptide of claim 29 further comprising heterologous amino acid sequences.--

--31. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:3.--

--32. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:7.--

--33. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:9.--

--34. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequence encoded by the cDNA of the clone contained in NRRL Deposit No. B-21416.--

b Sub H1
~~--35. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequences encoded by the cDNA of the clone contained in ATCC Accession No. 97880.--~~

--36. The isolated polypeptide of claim 29 wherein the polypeptide comprises the amino acid sequence encoded by the cDNA of the clone contained in ATCC Accession No. 97881.--

--37. The isolated polypeptide of claim 29 wherein the polypeptide comprises at least 15 contiguous amino acids of SEQ ID NO:3.--

Sub E3
~~--38. The isolated polypeptide of claim 29 wherein the polypeptide comprises at least 15 contiguous amino acids of SEQ ID NO:7.--~~

--39. The isolated polypeptide of claim 29 wherein the polypeptide comprises at least 15 contiguous amino acids of SEQ ID NO:9.--

--40. The isolated polypeptide of claim 29 wherein the polypeptide comprises a naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:3.--

--41. The isolated polypeptide of claim 29 wherein the polypeptide comprises a naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:7.--

--42. The isolated polypeptide of claim 29 wherein the polypeptide comprises a naturally occurring allelic variant of the amino acid sequence of SEQ ID NO:9.--

--43. The isolated polypeptide selected from the group consisting of:

a) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:2;

b) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:6;

c) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:8;

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Canceled
d) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in NRRL Deposit No. B-21426;

e) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in ATCC Accession No. 97880; and

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f) a polypeptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in ATCC Accession No. 97881.

--44. The isolated polypeptide of claim 43 further comprising heterologous amino acid sequences.--

--45. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:2.--

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C3
--46. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by an nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:6.--

*Sub
C3
concluded*

--47. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleic acid molecule of SEQ ID NO:8.--

--48. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in NRRL Deposit No. B-21416.--

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--49. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in ATCC Accession No. 97880.--

--50. The isolated polypeptide of claim 43 wherein the polypeptide is encoded by a nucleic acid molecule that hybridizes under stringent conditions to a nucleic acid molecule having the sequence of the cDNA of the clone contained in ATCC Accession No. 97881.--

REMARKS

It is respectfully submitted that the pending claims are in condition for allowance and such action is respectfully